

**AMENDMENTS TO THE DRAWINGS**

The attached sheet of drawings includes changes to Fig. 4 as requested by the Examiner.

Attachment: Replacement sheet

**REMARKS**

Favorable reconsideration of this application, as presently amended and in light of the following discussion, is respectfully requested.

Claims 1, 6-21 and 27-43 are pending, with claims 1, 6-22, and 27 amended, claims 31-43 added and claims 2-5, 23-26 and 28-30 cancelled without prejudice or disclaimer. Claims 1 and 22 are independent.

In the Official Action, the specification was objected to; the drawings were objected to; claim 4 was objected to; claims 1-30 were rejected under 35 U.S.C. § 103(a) as being obvious in view of Otsuka (U.S. Patent Pub. No. 2003/0021593) and deCarmo (U.S. Patent No. 6,138,175).

The specification and figures are amended as requested in the Official Action. Claims 1 and 22 are amended to recite the features of claims 2-5 and 23-26, respectively. Claims 31-43 are added to vary claim scope. No new matter is added.

The rejection of claims 1 and 22 is moot in view of the incorporation of claims 2-5 and 23-26 into claims 1 and 22, respectively.

Briefly recapitulating, amended claim 1 is directed to

A method for controlling a playback operation in a media player device, the method comprising:

defining a plurality of operating states based on coexisting operation modes of the media player device, wherein in a first operation mode the device is configured to reproduce audio/video (A/V) data recorded on a recording medium and in a second operation mode the device is configured to process additional data recorded on a recording medium or provided from a remote content provider; and

operating the device in at least one of the plurality of operating states, in response to user interfacing with the device to select said at least one of the plurality of operating states,

wherein the plurality of operating states comprise at least one of N operating states based on said first and second operational modes,

the first operational mode has X playback states associated with reproducing A/V data recorded on the recording medium,

***the second operational mode has Y operation states associated with processing additional data recorded on a recording medium or provided by the remote content provider, where  $N = X \times Y$ .***

Independent claim 22 recites, *inter alia*,

a controller operably coupled to the playback engine and the enhanced navigation engine and configured to control the reproducing of the A/V data and/or additional data, wherein

to control the reproducing of the A/V data and/or additional data, wherein

the controller is further configured to control a plurality of operating states defined based on coexisting operation modes of the playback engine and the enhanced navigation engine,

the controller is configured to control the playback engine to reproduce audio/video (A/V) data recorded on a recording medium in a first operation mode and control the enhanced navigation engine to process additional data readout from the recording medium or downloaded from a remote content provider in a first operation mode, in response to user interaction,

the plurality of operating states comprise at least one of N operating states based on said first and second operational modes,

the first operational mode has X playback states associated with reproducing A/V data recorded on the recording medium, and

***the second operational mode has Y operation states associated with processing additional data recorded on the recording medium or provided by the remote content provider, where  $N = X \times Y$ .***

Otsuka describes an optical disc player 100 that can operate in at least two modes: a video playback mode and a user agent mode. In video playback mode, the optical disc player 100 functions to access and display video content stored on the local optical disc 116, such as would a standard DVD player. In video playback mode, the video menu displayed on displaying device

(e.g. television, computer monitor) is used to control the playback of the video content. In user agent mode, the optical disc player is configured to run a user agent program (e.g. a browser) to allow a user to access website documents on a network or stored in the local optical disc 116, and perform various functions associated with the website document. In the user agent mode, the video content stored on the local optical disc 116 may be shown in a framed window within the user agent window. In user agent mode, the user agent menu is used to control the playback of the video content.

As acknowledged in the Official Action, Otsuka does not disclose or suggest Applicant's claimed second operational mode. To cure this deficiency, the Official Action applies deCarmo. DeCarmo describes a DVD navigation system having an optimizer that optimizes navigational commands to reduce the amount of memory required to cache the commands. The optimizer re-orders command sequences before they are interpreted in order to permit their execution in parallel. After re-ordering the commands, the optimizer routes commands to either a primary or secondary execution unit for parallel execution. Each execution unit executes navigational commands and, in an object-oriented environment, each of the execution units according to the illustrative embodiment would be implemented as a separate object having its own state.

The optimizer 214 of deCarmo includes a combination unit 218 and a parallelization engine 220. Operation of the combination engine 218 is set forth in flow chart of FIG. 4. In step 402, the combination engine 218 retrieves a command. Then the combination engine retrieves the command from navigation engine 208 as the commands are read from the disc 202. From step 402, the process proceeds to step 404, where the combination engine determines whether the command just retrieved is a Set System command such as SetSTN, SetNVTMR, etc., which sets

the internal system parameters of the player 200. If the command is a SetSystem command, the process proceeds to step 406 where the next command is retrieved and from there to step 408 where this "next" command is examined to determine whether it is a LINK command, such as, LINKPGCN, LINKPTTN, etc. If the command is a LINK command, the process proceeds to step 410 where the two commands are combined into one SetSystemLink command. From step 410, the process proceeds to step 412, where the combined command is stored in the storage unit 216.

However, deCarmo does not disclose or suggest a second operational mode that has Y operation states associated with processing additional data recorded on the recording medium or provided by the remote content provider, where  $N = X \times Y$ . In rejecting claim 5, the Official Action points generally to 2 columns of text without providing a specific citation to any particularly passage that allegedly describes the above-identified feature. Applicant requests that any future rejection based on deCarmo (or Otsuka) include citations with greater specificity.

As none of the cited art, individually or in combination, discloses or suggests at least the above-noted features of independent claims 1 and 22, Applicant submits the inventions defined by claims 1 and 22, and all claims depending therefrom, are not rendered obvious by the asserted references for at least the reasons stated above.<sup>1</sup>

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<sup>1</sup> MPEP § 2142 "...the prior art reference (or references when combined) must teach or suggest **all** the claim limitations.

**Conclusion**

In view of the above amendment, applicant believes the pending application is in condition for allowance.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Michael E. Monaco Reg. No. 52041 at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37.C.F.R. §§1.16 or 1.147; particularly, extension of time fees.

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Respectfully submitted,

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